

## IN THE CLAIMS

Please cancel claims 2-3, 7-8 and 14-15.

Please amend the claims as follows.

- 1 1. (Currently Amended) An apparatus comprising:  
2 at least one processor;  
3 a memory coupled to the at least one processor;  
4 a plurality of logical partitions defined on the apparatus, the plurality of logical  
5 partitions comprising at least one logical partition that owns identified I/O and at least  
6 one logical partition that does not own the identified I/O;  
7 a partition manager residing in the memory and executed by the at least one  
8 processor, the partition manager managing the plurality of logical partitions and executing  
9 separately from the plurality of logical partitions, the partition manager comprising:  
10 an I/O reconfiguration mechanism that reconfigures the identified I/O; and  
11 a logical partition suspend/resume mechanism that suspends ~~at least one~~  
12 all of the plurality of logical partitions before the I/O reconfiguration mechanism  
13 reconfigures the identified I/O by inhibiting dispatch of tasks to ~~the at least one~~  
14 ~~logical partition~~ all of the plurality of logical partitions and waiting until all  
15 pending tasks in ~~the at least one logical partition~~ all of the plurality of logical  
16 partitions are complete, and that resumes all ~~suspended~~ of the plurality of logical  
17 partitions after the I/O reconfiguration mechanism reconfigures the identified I/O  
18 by enabling dispatch of tasks to ~~the at least one logical partition~~ all of the plurality  
19 of logical partitions.

- 1 2-3 (Cancelled)

1 4 (Currently Amended) An apparatus comprising:  
2 at least one processor;  
3 a memory coupled to the at least one processor;  
4 a plurality of logical partitions defined on the apparatus, the plurality of logical  
5 partitions comprising at least one logical partition that owns identified I/O and at least  
6 one logical partition that does not own the identified I/O; and  
7 a partition manager residing in the memory and executed by the at least one  
8 processor and executing separately from the plurality of logical partitions, the partition  
9 manager performing the steps of:  
10 (1) detecting when the identified I/O requires reconfiguration;  
11 (2) suspending ~~at least one~~ all of the plurality of logical partitions by  
12 inhibiting dispatch of tasks to ~~the at least one logical partition~~ all of the plurality  
13 of logical partitions and waiting until all pending tasks in ~~the at least one logical~~  
14 ~~partition~~ all of the plurality of logical partitions are complete;  
15 (3) reconfiguring the identified I/O; and  
16 (4) resuming all of the plurality of logical partitions ~~suspended in step (2)~~  
17 by enabling dispatch of tasks to all of the plurality of logical partitions ~~suspended~~  
18 ~~in step (2)~~.

1 5. (Currently Amended) An apparatus comprising:  
2 at least one processor;  
3 a memory coupled to the at least one processor;  
4 a plurality of logical partitions defined on the apparatus, the plurality of logical  
5 partitions comprising at least one logical partition that owns identified I/O and at least  
6 one logical partition that does not own the identified I/O;  
7 a partition manager residing in the memory and executed by the at least one  
8 processor and executing separately from the plurality of logical partitions, the partition  
9 manager performing the steps of:  
10 (1) quiescing the identified I/O;  
11 (2) suspending ~~at least one~~ all of the plurality of logical partitions ~~that~~  
12 ~~owns at least a portion of the identified I/O~~ by inhibiting dispatch of tasks to ~~the at~~  
13 ~~least one logical partition~~ all of the plurality of logical partitions and waiting until  
14 all pending tasks in ~~the at least one logical partition~~ all of the plurality of logical  
15 partitions are complete;  
16 (3) reconfiguring the identified I/O;  
17 (4) enabling the reconfigured identified I/O; and  
18 (5) resuming all of the plurality of logical partitions ~~suspended in step (2)~~  
19 by enabling dispatch of tasks to all of the plurality of logical partitions ~~suspended~~  
20 ~~in step (2)~~.

1 6. (Currently Amended) A computer-implemented method for reconfiguring identified  
2 I/O in a computer system that includes a plurality of logical partitions managed by a  
3 partition manager executing separately from the plurality of logical partitions, the  
4 plurality of logical partitions comprising at least one logical partition that owns the  
5 identified I/O and at least one logical partition that does not own the identified I/O, the  
6 method comprising the steps of:  
7 (1) the partition manager suspending ~~at least one~~ all of the plurality of logical  
8 partitions by inhibiting dispatch of tasks to ~~the at least one logical partition~~ all of the  
9 plurality of logical partitions and waiting until all pending tasks in ~~the at least one logical~~  
10 ~~partition~~ all of the plurality of logical partitions are complete;  
11 (2) the partition manager reconfiguring the identified I/O; and  
12 (3) the partition manager resuming all of the plurality of logical partitions  
13 ~~suspended in step (1)~~ by enabling dispatch of tasks to all of the plurality of logical  
14 partitions ~~suspended in step (1)~~.

1 7-8 (Cancelled)

1 9. (Currently Amended) A computer-implemented method for reconfiguring identified  
2 I/O in a computer system that includes a plurality of logical partitions managed by a  
3 partition manager executing separately from the plurality of logical partitions, the  
4 plurality of logical partitions comprising at least one logical partition that owns the  
5 identified I/O and at least one logical partition that does not own the identified I/O, the  
6 method comprising the steps of:  
7 (1) the partition manager detecting when the identified I/O requires  
8 reconfiguration;  
9 (2) the partition manager suspending ~~at least one~~ all of the plurality of logical  
10 partitions by inhibiting dispatch of tasks to ~~the at least one logical partition~~ all of the  
11 plurality of logical partitions and waiting until all pending tasks in ~~the at least one logical~~  
12 ~~partition~~ all of the plurality of logical partitions are complete;  
13 (3) the partition manager reconfiguring the identified I/O; and  
14 (4) the partition manager resuming all of the plurality of logical partitions  
15 ~~suspended in step (2)~~ by enabling dispatch of tasks to all of the plurality of logical  
16 partitions ~~suspended in step (2)~~.

1 10. (Currently Amended) A computer-implemented method for reconfiguring identified  
2 I/O in a computer system that includes a plurality of logical partitions managed by a  
3 partition manager executing separately from the plurality of logical partitions, the  
4 plurality of logical partitions comprising at least one logical partition that owns the  
5 identified I/O and at least one logical partition that does not own the identified I/O, the  
6 method comprising the steps of:  
7 (1) the partition manager quiescing the identified I/O;  
8 (2) the partition manager suspending ~~at least one~~ all of the plurality of logical  
9 partitions ~~that owns at least a portion of the identified I/O~~ by inhibiting dispatch of tasks  
10 ~~to the at least one logical partition~~ all of the plurality of logical partitions and waiting  
11 until all pending tasks in ~~the at least one logical partition~~ all of the plurality of logical  
12 partitions are complete;  
13 (3) the partition manager reconfiguring the identified I/O;  
14 (4) the partition manager enabling the reconfigured identified I/O; and  
15 (5) the partition manager resuming all of the plurality of logical partitions  
16 ~~suspended in step (2)~~ by enabling dispatch of tasks to all of the plurality of logical  
17 partitions ~~suspended in step (2)~~.

1 11. (Currently Amended) A program product comprising:  
2 (A) a partition manager executing separately from a plurality of logical partitions  
3 comprising at least one logical partition that owns identified I/O and at least one logical  
4 partition that does not own the identified I/O, the partition manager comprising a logical  
5 partition suspend/resume mechanism that suspends ~~at least one~~ all of the plurality of  
6 logical partitions before the identified I/O is reconfigured by inhibiting dispatch of tasks  
7 ~~to the at least one logical partition~~ all of the plurality of logical partitions and waiting  
8 until all pending tasks in ~~the at least one logical partition~~ all of the plurality of logical  
9 partitions are complete, the logical partition suspend/resume mechanism resuming all  
10 ~~suspended~~ of the plurality of logical partitions after the identified I/O is reconfigured by  
11 enabling dispatch of tasks to ~~the at least one logical partition~~ all of the plurality of logical  
12 partitions; and  
13 (B) recordable media bearing the partition manager.

1 12-15 (Cancelled)

1 16. (Currently Amended) A program product comprising:  
2 (A) a partition manager executing separately from a plurality of logical partitions,  
3 the plurality of logical partitions comprising at least one logical partition that owns  
4 identified I/O and at least one logical partition that does not own the identified I/O, that  
5 performs the partition manager performing the steps of:  
6 (1) detecting when the identified I/O requires reconfiguration;  
7 (2) suspending ~~at least one~~ all of the plurality of logical partitions by  
8 inhibiting dispatch of tasks to ~~the at least one logical partition~~ all of the plurality  
9 of logical partitions and waiting until all pending tasks in ~~the at least one logical~~  
10 ~~partition~~ all of the plurality of logical partitions are complete;  
11 (3) reconfiguring the identified I/O; and  
12 (4) resuming all of the plurality of logical partitions ~~suspended in step (2)~~  
13 by enabling dispatch of tasks to all of the plurality of logical partitions ~~suspended~~  
14 ~~in step (2)~~; and  
15 (B) recordable media bearing the partition manager.

1 17-18 (Cancelled)



1 19. (Currently Amended) A program product comprising:  
2 (A) a partition manager executing separately from a plurality of logical partitions,  
3 the plurality of logical partitions comprising at least one logical partition that owns  
4 identified I/O and at least one logical partition that does not own the identified I/O, that  
5 performs the partition manager performing the steps of:  
6 (1) quiescing the identified I/O;  
7 (2) suspending ~~at least one~~ all of the plurality of logical partitions ~~that~~  
8 ~~owns at least a portion of the identified I/O~~ by inhibiting dispatch of tasks to ~~the at~~  
9 ~~least one logical partition~~ all of the plurality of logical partitions and waiting until  
10 all pending tasks in ~~the at least one logical partition~~ all of the plurality of logical  
11 partitions are complete;  
12 (3) reconfiguring the identified I/O;  
13 (4) enabling the reconfigured identified I/O; and  
14 (5) resuming all of the plurality of logical partitions ~~suspended in step (2)~~  
15 by enabling dispatch of tasks to all of the plurality of logical partitions ~~suspended~~  
16 ~~in step (2)~~; and  
17 (B) recordable media bearing the partition manager.

1 20-21 (Cancelled)

### **STATUS OF THE CLAIMS**

Claims 1-21 were originally filed in this patent application. In response to the first office action dated 8/30/05, applicants filed an amendment on 11/30/05 that cancelled claims 12, 13, 17, 18, 20 and 21 and amended claims 1, 4-6, 9-11, 16 and 19. In response to the second office action dated 02/06/2006, an RCE and Amendment were filed on 05/04/2006. In response to the third office action dated 07/12/2006, an Amendment was filed that amended claims 1, 4-6, 9-11, 16 and 19. In the pending fourth office action, claims 1-11, 14-16 and 19 were rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent Application Publication 2003/0084030 to Day *et al.* (hereinafter “Day”) in view of U.S. Patent Application Publication 2002/0112102 to Tarui *et al.* (hereinafter “Tarui”). No claim was allowed. In this amendment, claims 2-3, 7-8 and 14-15 have been cancelled, and claims 1, 4-6, 9-11, 16 and 19 have been amended. Claims 1, 4-6, 9-11, 16 and 19 are currently pending.